

Development (195⁴/₈) Department

MS SERIES.

G.O. No. 2421

Dated 11-5-48

[Despatch Abstract.]

STORES : AGRICULTURAL DEPARTMENT : PURCHASE OF ONE AUTOMATIC
OSCILLATOR : PROPOSAL OF THE JOINT DIRECTOR OF AGRICULTURE
SANCTIONED.

From
Sri B.M.Lakshmipathi, B.E.,M.E.,
M.R.A.S.E.,
Joint Director of Agriculture,
Madras.

To
The Secretary to Government,
Development Department,
Fort St. George,
Madras.

No. H4-4 2124/48 dated 26th April 1948.

Sir,

Sub: HORTICULTURAL MACHINERY - Oscillator for dealing with
insect pests - Purchase for research purposes -
Sanction - Requested.

Messrs. Mark Seymour and Sons Ltd., Coonoor, offer to arrange the supply of one oscillator to this Department for experimental purposes, from their stock. This oscillator is manufactured by Messrs. George P.Kinnell and Co Ltd., London, and was recently inspected by the Research Engineer, Coimbatore. This machine throws a fine misty spray about 40 feet on either side, through the oscillatory motions of a Duralamin pipe fitted with spray nozzles at intervals of 3 feet along its entire length and is operated by the hydraulic pressure generated by a 4" x 4" centrifugal pump ~~drive~~ driven by a 30 H.P. Engine. The distance to which the spray is thrown depends on the pressure generated in the pipe, by the engine. The automatic oscillator is placed across the field in one place and operated, then it is moved over a distance of 80 feet at a time, until the whole area is irrigated, by what is known as the "spray Irrigation system". Great saving of water is claimed by this method, 7,500 gallons being required for a percolation of 1/4" over one acre. It is claimed to be one of the latest inventions for dealing effectively with insect pests. Insecticides or chemical manures can also be mixed with the water and distributed in this manner, over a considerable area. Hence it is proposed to purchase one such oscillator for further experiments and evolve a simpler and cheaper design. The cost of the machine is Rs. 725 nett.

I request that Government may be pleased to accord sanction for the purchase of one automatic oscillator for research purposes. Necessary provision will be made in the revised estimate for 1948-49 under "40, g. Agricultural Experiments and Research A. Research Institute - 4 Apparatus and materials and capital outlay".

B.M. LAKSHMIPATHI
Joint Director of Agriculture.

GOVERNMENT OF MADRAS

Abstract.

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STORES - Agricultural Department - Purchase of one automatic oscillator -
Proposal of the Joint Director of Agriculture - Sanctioned.

Development Department

G.O. (Ms) No. 2421.

Dated, the 11th May 1948

READ - the following:-

From the Joint Director of Agriculture, No, H4-2124/47 dated
the 26th April 1948.

ORDER:

In the circumstances reported by the Director of Agriculture, in his letter cited, His Excellency the Governor of Madras accepts the proposal of the Director of Agriculture and sanctions an expenditure not exceeding Rs. 725/- (Rupees seven hundred and twentyfive only) for the purchase of one automatic oscillator to conduct experiments on "spray irrigation system."

2. The expenditure should be debited to 40. Agriculture - g. Agricultural Experiments and Research (1) Excluding Post War Re-construction - A. Research Institute - 4. Apparatus and materials and Capital outlay."

3. The Director of Agriculture is informed that provision of funds in the revised estimate does not ~~obviate~~ obviate the necessity of applying for additional appropriation and he is requested to apply for necessary additional funds in due course if the expenditure cannot be met by re-appropriation.

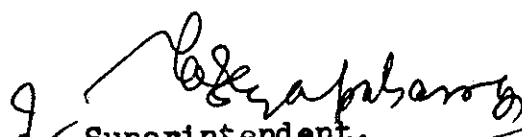
(By order of His Excellency the Governor)

xx xx
Secretary to Government.

To the Director of Agriculture.
To the Accountant-General, through the Finance Department.

/True copy/

Sk.


Superintendent,
as Record Office, Egmore.